

APH: **648.0**

CDL: **7.783**

GPH: **738.2**

CertNo: **00402**

BOAT

Class **SUNRISE 35**
Designer **J.FAUROUX**
Builder **JEANNEAU**
Age date **01/1986**
Series date **01/1985**
Offset file **H007.BOF**
Data file

HULL

Length Overall **10.045 m**
Maximum Beam **3.504 m**
Draft **1.820 m**
Displacement **4,853 kg**
DLR **7.8113**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.350%**
Age Allowance **0.487%**

PROPELLER

Installation **Shaft exposed**
Type **Solid 3 blades**
Diameter **0.430m**

CREW

Maximum weight **549 kg**
Minimum weight **412 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	24.37	24.75
Headsail Luffed	35.71	35.71
Headsail Flying		
Symmetric		
Asymmetric		

STORM SAIL AREAS (m²)

Trysail **6.91**
Storm Jib **8.67**
Heavy Weather Jib **23.39**

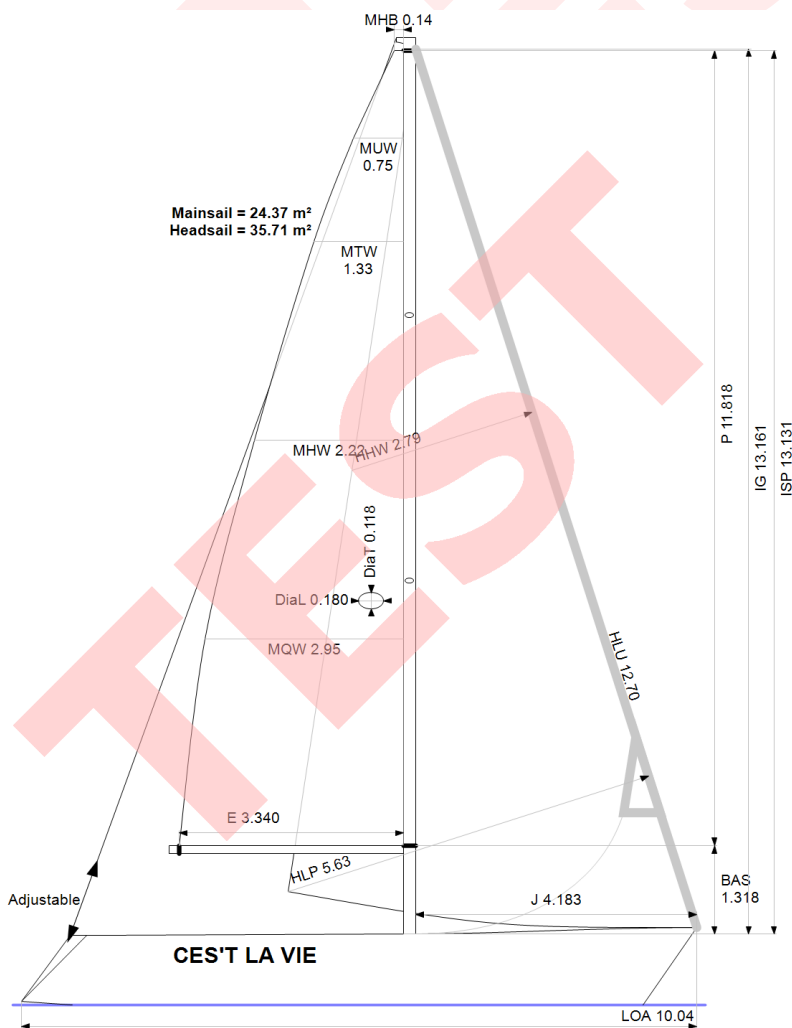
SAIL LIMITS

Headsails **1** * Woven polyester sails
Spinnakers **0** * Spinnaker pole aboard

STABILITY

Righting Moment **N/A**
Stability Index **N/A**

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	44.8°	43.0°	41.4°	40.5°	39.6°	39.3°	39.4°
Beat VMG	2.90	3.59	4.11	4.47	4.66	4.74	4.77
52°	4.49	5.44	6.09	6.47	6.67	6.76	6.82
60°	4.77	5.71	6.31	6.65	6.85	6.96	7.04
75°	4.93	5.89	6.48	6.81	7.03	7.20	7.38
90°	4.82	5.80	6.45	6.83	7.08	7.29	7.63
110°	4.28	5.35	6.19	6.72	7.06	7.34	7.84
120°	4.07	5.14	5.99	6.59	6.97	7.27	7.81
135°	3.60	4.65	5.51	6.22	6.70	7.03	7.59
150°	3.09	4.06	4.93	5.67	6.29	6.72	7.30
Run VMG	2.67	3.53	4.31	5.02	5.66	6.23	6.96
Gybe Angles	148.7°	152.3°	158.6°	165.8°	171.2°	176.6°	179.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1242.1	1002.3	876.6	805.3	772.8	759.8	755.5
52°	800.9	661.7	591.6	556.6	539.5	532.4	527.6
60°	754.8	630.6	570.8	541.4	525.6	517.4	511.3
75°	730.2	611.7	555.9	528.7	512.0	500.0	487.5
90°	747.4	621.1	557.8	527.2	508.2	493.6	471.8
110°	841.0	672.5	581.9	535.6	509.9	490.4	459.3
120°	885.0	700.6	600.5	546.1	516.6	495.5	460.9
135°	1000.2	774.9	653.1	578.9	537.3	512.2	474.5
150°	1166.5	885.9	730.9	635.1	572.8	535.8	493.3
Run VMG	1347.0	1021.2	836.1	717.7	635.5	578.1	517.2
Selected Courses							
Windward / Leeward	1294.5	1011.7	856.3	761.5	704.1	669.0	636.4
All purpose	987.6	786.1	678.6	617.0	581.6	560.3	536.8

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	805.2	0.7452
All purpose	648.0	0.9259

Custom scoring options for Netherlands

Scoring Option	Time On Time
Triple Number Coastal/Long Distance Low	0.6765
Triple Number Coastal/Long Distance Medium	0.9335
Triple Number Coastal/Long Distance High	1.0775
Triple Number Windward/Leeward Low	0.5203
Triple Number Windward/Leeward Medium	0.7503
Triple Number Windward/Leeward High	0.9015
Coastal/Long Distance	0.8454
Predominantly Upwind	0.8697
Predominantly Downwind	0.8846

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	SUNRISE 35	LOA	10.045	VCGD	0.112
Measurement	16/03/2006	Max. Beam	3.504	VCGM	0.127
HIN		Draft	1.820	RM Rated (kg·m)	96.0
Plan review		Displacement	4,853	Limit of positive stability(°)	N/A
Hull construction	Solid	Wetted area	22.82	Stability Index	N/A
Carbon Rudder	No	IMS L	8.690		
Light stanchions	No	LSM0	8.532		
Trim tab	No	Acc. length	10.045		
		Sink (kg/mm)	16.51		

PROPELLER

Propeller Type	Solid 3 blades	PRD	0.430	PSD		PSA		ST1		ST4
Installation	Shaft exposed	PBW		PHD		ESL		ST2		ST5
Twin screw	No	PIPA	0.0230	PHL				ST3		
Hydro generator	No									

RIG

Forestay tension	Aft	P	11.818	E	3.340
Inner stay	None Fitted	IG	13.161	J	4.183
Carbon mast	No	ISP	13.131	BAS	1.318
Headsail furler	Yes	MDT1	0.118	FSD	No Foil
Mainsail furler	No	MDL1	0.180	SFJ	
Articulated bowsprit	No	MDT2		SPL	4.256
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	No Taper	TPS	
Runners/Checkstays	0	MW		BD	
Spreaders	2	GO		MWT	
Rotating mast	No			MCG	

FLOTATION AND STABILITY

Calculation method	RM estimated	SFFP	0.341	SAFP	9.076
Flotation Date	08/04/2010	FFM		FAM	
Measurer		FF	1.150	FA	1.033
Comment		LCFcl	5.623	LCFsh	5.885
		SG	1.0250	HBI	1.051

INVENTORY

OTHER ITEMS	Id	Kind	Description	Weight	LCG	VCG
	SaS		Deductible Sailor Services	400	3.45	0.00
			<i>Total deductible</i>	100	3.45	0.00



MAINSAIL

<i>Id</i>	<i>MHB</i>	<i>MUW</i>	<i>MTW</i>	<i>MHW</i>	<i>MQW</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
ORC	0.14	0.75	1.33	2.22	2.95	24.37		* Copied from legacy *

HEADSAIL

<i>Id</i>	<i>HHB</i>	<i>HUW</i>	<i>HTW</i>	<i>HHW</i>	<i>HQW</i>	<i>HLP</i>	<i>HLU</i>	<i>Btn</i>	<i>Flying FT</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
GL	0.06	0.71	1.39	2.79	4.23	5.63	12.70	No	No	35.71	11/05/2018	